

LENGTH: 1308 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-484-438-2

Query Match 100.0%; Score 7129; DB 2; Length 1308;
 Best Local Similarity, 100.0%; Pred. No. 0;
 Matches 1308; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKPATGLWVWVLLVAGTVQPSDSQVCAETENKLSLSDLEQQYRALRYKYEENYVM 60
 DB 1 MKPATGLWVWVLLVAGTVQPSDSQVCAETENKLSLSDLEQQYRALRYKYEENYVM 60
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 DB 61 GNLKLTISIEHNDLSFSLRSREVTVYVVALNQFRYLPLENLRIIGTKLYEDRYALAI 120
 QY 121 LMYRKDGNFGLQELGKNTLILINGVYVDONKFLCYADTIHWQDIYRNWPNLTLVST 180
 DB 121 LMYRKDGNFGLQELGKNTLILINGVYVDONKFLCYADTIHWQDIYRNWPNLTLVST 180
 QY 181 NSSSGGGRCHKSTGRCMQPTENHCOTLRTVCAEQCDGRCYGPVYSDCCHRCAGGCSG 240
 DB 181 NSSSGGGRCHKSTGRCMQPTENHCOTLRTVCAEQCDGRCYGPVYSDCCHRCAGGCSG 240
 QY 241 PNDTDFACMNFDSGACVYQCPQTFVYVNTPTFQLEHNFNAXTYGAFCVKKCPHNFVD 300
 DB 241 PNDTDFACMNFDSGACVYQCPQTFVYVNTPTFQLEHNFNAXTYGAFCVKKCPHNFVD 300
 QY 301 SSSCVACPSKKEVEENGIMCKPCTDICTPKACDGIIGTSLMSAQTVDSNDIKFINCT 360
 DB 301 SSSCVACPSKKEVEENGIMCKPCTDICTPKACDGIIGTSLMSAQTVDSNDIKFINCT 360
 QY 361 KINGNLIPLVTGIGHGDPYNAIEAIDPEKLVNFTVREITGFLIQSWPMWTFVSFVSNL 420
 DB 361 KINGNLIPLVTGIGHGDPYNAIEAIDPEKLVNFTVREITGFLIQSWPMWTFVSFVSNL 420
 QY 421 VTIGRVLVSGSLILLKQOQITSLQFOSLKEISAGNIYITDNSNLGYHTIMWTLFST 480
 DB 421 VTIGRVLVSGSLILLKQOQITSLQFOSLKEISAGNIYITDNSNLGYHTIMWTLFST 480
 QY 481 INORIVIRDNKKAENCTAEAMVNCNHLSSGCGPDPDCLSCRRFRGNICTIESCNLYD 540
 DB 481 INORIVIRDNKKAENCTAEAMVNCNHLSSGCGPDPDCLSCRRFRGNICTIESCNLYD 540
 QY 541 GERERENGSIQVECPQCKMEDGLITGHPGPDNCTKSHFPGDGNVCYKCPDGLQGA 600
 DB 541 GERERENGSIQVECPQCKMEDGLITGHPGPDNCTKSHFPGDGNVCYKCPDGLQGA 600
 QY 601 NSFIFKXADPRECHPCHNCTQSCNGPTSHDICIYPMWTHSTLPQHARTPLIAAGVIG 660
 DB 601 NSFIFKXADPRECHPCHNCTQSCNGPTSHDICIYPMWTHSTLPQHARTPLIAAGVIG 660
 QY 661 LFTLVVGLTFAVYVRKSIKKRRLRPLETELVEPLTSGTAPNOAQRIILKETELKR 720
 DB 661 LFTLVVGLTFAVYVRKSIKKRRLRPLETELVEPLTSGTAPNOAQRIILKETELKR 720
 QY 721 VKVLGSAFGTVKGIWVPEGETVKI PVAIKILNETTGPRANVEFMDEBALIMASMDPHL 780
 DB 721 VKVLGSAFGTVKGIWVPEGETVKI PVAIKILNETTGPRANVEFMDEBALIMASMDPHL 780
 QY 781 VRLIGVCLSTIQLVQMLMHCLELVVHKKONIGSOLLNMCVOJAKGMVIEERLV 840
 DB 781 VRLIGVCLSTIQLVQMLMHCLELVVHKKONIGSOLLNMCVOJAKGMVIEERLV 840
 QY 841 HRDLAARNVIVKSPNHYKITDFGLARLLLEQDEKYNADGGKMPKXMALECIHRYKRTHQ 900
 DB 841 HRDLAARNVIVKSPNHYKITDFGLARLLLEQDEKYNADGGKMPKXMALECIHRYKRTHQ 900
 QY 900 JYWSYGVTTIWEIMTEFGGRKYDGIPTREIPDLLEKGRRLQOPRCTIDVYVMMKCMID 960
 DB 901 SDVWSYGVTTIWEIMTEFGGRKYDGIPTREIPDLLEKGRRLQOPRCTIDVYVMMKCMID 960

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 DB 961 ADSRPFKEMLAEFSRMARDPORYVIVIOGDDRMKLPSPNDKFFQNLDEEDLEMDMAE 1020
 QY 1021 EYLVOAFNIPPIYTSRARIDSNSREIGHSPPAVYTPMSGNQFYRDGGAEGVSVF 1080
 DB 1021 EYLVOAFNIPPIYTSRARIDSNSREIGHSPPAVYTPMSGNQFYRDGGAEGVSVF 1080
 QY 1081 YRAPSTIPEAFVAGATAEIFDSCNGTLRKPVAPHVQEDSSTQRYSAOPTVAPERS 1140
 DB 1081 YRAPSTIPEAFVAGATAEIFDSCNGTLRKPVAPHVQEDSSTQRYSAOPTVAPERS 1140
 QY 1141 PRGEIDEEGYMTPMRDKPQOELVNVENPFPVSRKNGDLOALDPEYHNASNGPPKAD 1200
 DB 1141 PRGEIDEEGYMTPMRDKPQOELVNVENPFPVSRKNGDLOALDPEYHNASNGPPKAD 1200
 QY 1201 EYVNEPLVNTFANTLGKAEYLKNNILSMPEKAKKAFDNPDMNHSILPPRSTLQHPDYLO 1260
 DB 1201 EYVNEPLVNTFANTLGKAEYLKNNILSMPEKAKKAFDNPDMNHSILPPRSTLQHPDYLO 1260
 QY 1261 EYSTKYFYKQNGRIRPIVAENPEYLSFSLKPGTVLPPPYRHRTVV 1308
 DB 1261 EYSTKYFYKQNGRIRPIVAENPEYLSFSLKPGTVLPPPYRHRTVV 1308

RESULT 2
 US-08-484-438-4
 Sequence 4, Application US/08484438
 Patent No. 5811098
 Patent No. 5811098 5780031
 GENERAL INFORMATION:
 APPLICANT: Plozman, Gregory D.
 APPLICANT: Choussou, Jean-Michel
 APPLICANT: Shouab, Mohamed
 APPLICANT: Siegal, Clay B.
 APPLICANT: Helicor m, Ingegerd
 APPLICANT: Helicor m, Karl E.
 TITLE OF INVENTION: HER4 HUMAN RECEPTOR TYROSINE KINASE
 NUMBER OF SEQUENCES: 42
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Pennie & Edmonds
 STREET: 1155 Avenue of the Americas
 CITY: New York
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 10036-2711
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/484,438
 FILING DATE: 07-JUN-1995
 CLASSIFICATION: 530
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/323,442
 FILING DATE: 14-OCT-1994
 APPLICATION NUMBER: US 08/150,704
 FILING DATE: 10-NOV-1993
 CLASSIFICATION: 530
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/981,165
 FILING DATE: 24-NOV-1992
 CLASSIFICATION: 530
 ATTORNEY/AGENT INFORMATION:
 NAME: Mastro, S. Leslie
 REGISTRATION NUMBER: 18,872
 REFERENCE/DOCKET NUMBER: 5624-230
 TELECOMMUNICATION INFORMATION:
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OM protein - protein search, using sw model

Run on: February 12, 2003, 18:03:04 ; Search time 20 Seconds
 (without alignments)
 1924.259 Million cell updates/sec

Title: US-09-940-101-2
 Perfect score: 7129
 Sequence: 1 MKPATGLWVWSLLVAAGTV.....SLKPGTVLPPPPYRHRNTV 1308

Scoring table: BLOSUM62
 Gapop 10.0, Gapext 0.5

Searched: 262574 seqs, 2942222 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
 Maximum DB seq length: 2000000000

Processing: Minimum Match 0%
 Maximum Match 100%
 Listing first 45 summaries

Database : Issued Patents AA:*

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- 2: /cgn2_6/ptodata/1/1aa/5B_COMB.pep:*
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- 6: /cgn2_6/ptodata/1/1aa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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4	3673	51.5	705	2	US-08-237-401A-4
5	3608	50.6	911	2	US-08-484-438-10
6	3346.5	46.9	1210	2	US-08-484-438-7
7	3339.5	46.8	1210	2	US-08-475-035-4
8	3211	45.0	1342	2	US-08-484-438-9
9	3209	45.0	1342	1	US-07-978-895-4
10	3209	45.0	1342	2	US-08-473-119-4
11	3209	45.0	1342	2	US-08-475-352-4
12	3200.5	44.9	1343	6	5183884-4
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17	3002.5	42.1	1255	2	US-08-486-348A-68
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22	1659.5	23.3	644	1	US-08-336-708A-9
23	1534.5	21.5	580	1	US-08-414-417B-69
24	1534.5	21.5	580	2	US-08-486-348A-69
25	1534.5	21.5	580	2	US-08-466-545B-69
26	1534.5	21.5	580	3	US-08-466-680B-69
27	1451	20.4	782	2	US-09-146-283-4

ALIGNMENTS

RESULT 1

US-08-484-438-2

Sequence 2, Application US/08484438

Patent No. 5811098

Patent No. 5811098 5780031

GENERAL INFORMATION:

APPLICANT: Plozman, Gregory D.

APPLICANT: Culouscou, Jean-Michel

APPLICANT: Shovab, Mohammed

APPLICANT: Siegall, Clay B.

APPLICANT: Hellstr m, Ingegerd

APPLICANT: Hellstr m, Karl E.

TITLE OF INVENTION: HER4 HUMAN RECEPTOR TYROSINE KINASE

NUMBER OF SEQUENCES: 42

CORRESPONDENCE ADDRESS:

ADDRESSEE: Pennie & Edmonds

STREET: 1155 Avenue of the Americas

CITY: New York

STATE: New York

COUNTRY: U.S.A.

ZIP: 10036-2711

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/484,438

FILING DATE: 07-JUN-1995

CLASSIFICATION: 530

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/323,442

FILING DATE: 14-OCT-1994

APPLICATION NUMBER: US 08/150,704

FILING DATE: 10-NOV-1993

CLASSIFICATION: 530

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/981,165

FILING DATE: 24-NOV-1992

CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:

NAME: Mistrock, S. Leslie

REGISTRATION NUMBER: 18,872

REFERENCE/DOCKET NUMBER: 5624-230

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TELEFAX: (212) 869-8864/9741

TELEX: 66141 PENNIE

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

Sequence 4, Appli
 Sequence 4, Appli
 Sequence 1, Appli
 Sequence 1, Appli
 Sequence 14, Appli
 Sequence 66, Appli
 Sequence 2, Appli
 Sequence 67, Appli
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 Sequence 2, Appli
 Sequence 2, Appli
 Sequence 18, Appli
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 Sequence 1, Appli
 Sequence 1, Appli

Set Name Query
side by side

DB=USPT; PLUR=YES; OP=ADJ

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<u>L15</u>	L14 and (treat\$ or therap\$ or inhibit\$ or suppress\$)	25	<u>L15</u>		25
<u>L14</u>	L13 same antibod\$	25	<u>L14</u>		25
<u>L13</u>	erbB4	65	<u>L13</u>		65
<u>L12</u>	(heregulin)same (antibod\$) and (restenosis)	3	<u>L12</u>		3
<u>L11</u>	(erb\$) same (antibod\$) and (treat\$ or inhibit\$ or suppress\$ or therap\$ or antagoni\$) same (restenosis or stenosis or arteriosclero\$ or atherosclero\$) same (antibod\$)	12	<u>L11</u>		12
<u>L10</u>	(erb\$) same (antibod\$) same (treat\$ or inhibit\$ or suppress\$ or therap\$ or antagoni\$) same (restenosis or stenosis or arteriosclero\$ or atherosclero\$)	1	<u>L10</u>		1
<u>L9</u>	(erb\$) same (antibod\$) and (treat\$ or inhibit\$ or suppress\$ or therap\$ or antagoni\$) same (restenosis or stenosis or arteriosclero\$ or atherosclero\$)	84	<u>L9</u>		84
<u>L8</u>	(erb\$) and (restenosis or stenosis or arteriosclero\$ or atherosclero\$)	670	<u>L8</u>		670